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DOCKET NO: D0617.70012US00

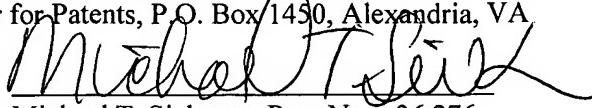
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Aaron K. Sato, et al.  
Serial No: 10/661,156  
Filed: September 11, 2003  
For: KDR and VEGF/KDR Binding Peptides and Their Use in Diagnosis and Therapy  
Examiner: Not Yet Assigned  
Art Unit: 1632

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 18<sup>th</sup> day of March, 2005.



Michael T. Siekman, Reg. No. : 36,276

---

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Power of Attorney and Revocation of Prior Powers (2 pgs.) and Schedule A (1 pg.)
- Certificate Under 37 C.F.R. § 3.73(b)
- Copy of Assignments
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*Sato et al., Applicant*

By:



Michael T. Siekman, Reg. No.: 36,276  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: D0617.70012US00

Date: March 18, 2005

xNDDx



Attorney Docket No: D0617.70012US00

**CERTIFICATE UNDER 37 CFR 3.73(b)**

Applicant:	<b>Sato et al.</b>	
Serial No:	<b>10/661,156</b>	Filed: <b>September 11, 2003</b>
Entitled:	<b>KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY</b>	
<b>Bracco International B.V.</b>		a <b>Corporation</b>

(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is an assignee of a 50% ownership interest of the entire right, title and interest in the patent application or patent identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application identified above.

OR

B. [ ] A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this certificate on behalf of the assignee.

Respectfully submitted,

*Bracco International B.V., Assignee*

By:

Michael T. Siekman, Reg. No.: 36,276  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: D0617.70012US00  
Date: March 18, 2005



Attorney Docket No: D0617.70012US00

**CERTIFICATE UNDER 37 CFR 3.73(b)**

Applicant:

**Sato et al.**

Serial No:

**10/661,156**

Filed: September 11, 2003

Entitled:

**KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN  
DIAGNOSIS AND THERAPY**

**Dyax Corp.**

a **Corporation**

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership,  
university, government agency, etc.)

certifies that it is an assignee of a 50% ownership interest of the entire right, title and interest in  
the patent application or patent identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application identified above.

OR

B. [ ] A chain of title from the inventor(s), of the patent application identified above, to the  
current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the Patent and Trademark Office at

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this certificate on behalf of the assignee.

Respectfully submitted,

*Dyax Corp., Assignee*

By:

Michael T. Siekman, Reg. No.: 36,276  
Wolf, Greenfield & Sacks, P.C.  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
Telephone: (617) 646-8000

Docket No.: D0617.70012US00

Date: March 18, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

Q1PE JENKINS  
PATENT & TRADEMARK OFFICE  
MAR 21 2005  
**REVOCATION OF PRIOR POWERS OF ATTORNEY  
and  
NEW POWER OF ATTORNEY**

Sir:

The undersigned, Dyax Corp. and Bracco International B.V., assignees of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revoke all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoint all practitioners affiliated with Customer Number:



**23628**

as assignees' attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

Please forward all correspondence to:

Michael T. Siekman  
Wolf, Greenfield & Sacks, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel. 617-646-8336  
Fax 617-720-2441

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please use corresponding Attorney's Docket Number in attached Schedule A on all future correspondence in connection with the identified patents and patent applications.

Respectfully submitted,

Name: Ivana Magovščić, Ph.D., J.D.  
Title: Senior Vice President Legal Affairs and  
Chief Patent Counsel for Dyax Corp.

Date: 2/25/08

Name: Caragh Noone, Esq.  
Title: Senior Patent Counsel for Bracco  
International B.V.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

**REVOCATION OF PRIOR POWERS OF ATTORNEY  
and  
NEW POWER OF ATTORNEY**

Sir:

The undersigned, Dyax Corp. and Bracco International B.V., assignees of the entire right, title and interest for all of the patents and patent applications identified in the attached Schedule A, hereby revoke all previous powers of attorney or authorizations of agent given in the identified patents and patent applications and in any divisional, continuing, substitute, renewal or reissue applications thereof, and appoint all practitioners affiliated with Customer Number:



**23628**

as assignees' attorneys or agents with full power of substitution to take any and all action necessary with regard to the identified patents and patent applications, and with regard to any divisional, continuing, substitute, renewal or reissue applications thereof.

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Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210  
Tel: 617-646-8336  
Fax 617-720-2441

I hereby declare that all statements made herein of my own knowledge are true; and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Please use corresponding Attorney's Docket Number in attached Schedule A on all future correspondence in connection with the identified patents and patent applications.

Respectfully submitted,

Date: \_\_\_\_\_

Date: 17 MAART 2005

Name: Ivana Magović, Ph.D., J.D.  
Title: Senior Vice President Legal Affairs and  
Chief Patent Counsel for Dyax Corp.

Name: Tom Herbschleb  
Title: Proxy Holder  
International B.V. Bracco International B.V.



## SCHEDULE A

### **Issued Patents**

## Patent Applications

Atty. Docket No.	Serial No.	Filing Date
D0617.70011US00	60/360,851	March 1, 2002
D0617.70011US01	60/440,411	January 15, 2003
D0617.70011US02	10/382,082	March 3, 2003
D0617.70012US00	10/661,156	November 11, 2003
D0617.70013US00	60/451,588	March 3, 2003
D0617.70013US01	10/792,582	March 3, 2004
D0617.70014US00	10/939,890	September 13, 2004

**COPY**ASSIGNMENTMulti-Joint

WHEREAS, we, Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, together with co-inventors Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wronski have invented a certain improvement in **KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY** described in an application for Letters Patent of the United States, the specification of which:

- [ ] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- [X] was filed on September 11, 2003 as Application No. 10/661,156;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, Dyax Corp. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 300 Technology Square, Cambridge, Massachusetts 02139 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the

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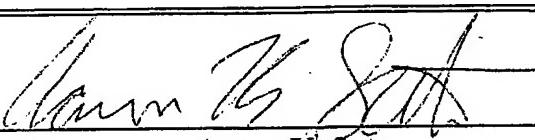
-2-

execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:



Aaron K. Sato

State/Commonwealth

of MASSACHUSETTS

County of Middlesex

Then personally appeared before me the above-named Aaron K. Sato and acknowledged that he executed the foregoing instrument as his free act and deed this 13<sup>th</sup> day of November, 2003.

(SEAL)



Notary Public

KAREN S. JOHNSTON (print name)

My Commission expires 09 / 08 / 2008

# COPY

-3-

---

Inventor's Signature:

Daniel J. Sexton

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Daniel J. Sexton and acknowledged that he executed the foregoing instrument as his free act and deed this 13<sup>th</sup> day of November, 2003.

(SEAL)

Notary Public

KAREN S. JOHNSTON (print name)-

My Commission expires 07 / 04 / 2008

---

Inventor's Signature:

Daniel T. Dransfield

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Daniel J. Dransfield and acknowledged that he executed the foregoing instrument as his free act and deed this 13<sup>th</sup> day of November, 2003.

(SEAL)

Notary Public

KAREN S. JOHNSTON (print name)

My Commission expires 07 / 04 / 2008

---

COPY

-4-

Inventor's Signature:

Robert C. Ladner

Robert C. Ladner

State/Commonwealth

of MASSACHUSETTS

County of MIDDLESEX

Then personally appeared before me the above-named Robert C. Ladner and acknowledged that he executed the foregoing instrument as his free act and deed this 13th day of November, 2003.

(SEAL)

Karen S. Johnston Notary Public

Karen S. Johnston (print name)

My Commission expires 07 / 04 / 2008

Multi-JointASSIGNMENT

WHEREAS, we, Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wronski, together with co-inventors Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, have invented a certain improvement in **KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY** described in an application for Letters Patent of the United States, the specification of which:

- [ ] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **September 11, 2003** as Application No. **10/661,156**;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, Bracco International, B.V. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **Country of The Netherlands**, and having a usual place of business at **Stravinskylaan 3051, 1077 ZX Amsterdam, The Netherlands** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution,

reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

---

Inventor's Signature: \_\_\_\_\_

Christophe Arbogast

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Christophe Arbogast and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

---

Inventor's Signature: \_\_\_\_\_

**Philippe Bussat**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Philippe Bussat** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_

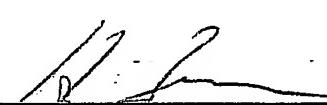
Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature: \_\_\_\_\_

  
**Hong Fan**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Hong Fan** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature: Sudha Khurana

Sudha Khurana

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Sudha Khurana** and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_ Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature: Karen E. Linder

Karen E. Linder

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Karen E. Linder** and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_ Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

---

Inventor's Signature:

Edmund R. Marinelli

Edmund R. Marinelli

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Edmund R. Marinelli** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

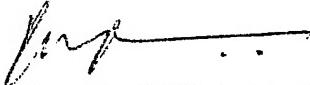
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor's Signature:

  
Palaniappa Nanjappan

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Palaniappa Nanjappan** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor's Signature:



Adrian D. Nunn

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Adrian D. Nunn** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

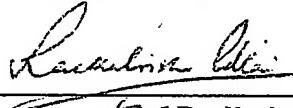
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Radhakrishna Pillai

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Radhakrishna Pillai** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_

**Sibylle Pochon**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Sibylle Pochon** and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature: Kondareddiar Ramalingam \_\_\_\_\_

**Kondareddiar Ramalingam**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Kondareddiar Ramalingam** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Ajay Shrivastava

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Ajay Shrivastava** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

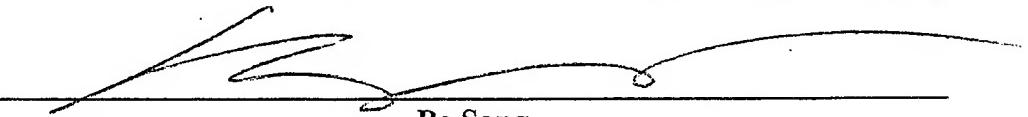
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

  
Bo Song

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Bo Song** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

*Rolf E. Swenson*

Rolf E. Swenson

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Rolf E. Swenson** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

*M. A. von Wronski*

Mathew A. Von Wronski

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Mathew A. Von Wronski** and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Multi-Joint

ASSIGNMENT

WHEREAS, we, Christophe Arbogast, Philippe Bussat, Hong Fan, Sudha Khurana, Karen E. Linder, Edmund R. Marinelli, Palaniappa Nanjappan, Adrian D. Nunn, Radhakrishna Pillai, Sibylle Pochon, Kondareddiar Ramalingam, Ajay Shrivastava, Bo Song, Rolf E. Swenson and Mathew A. Von Wroneki, together with co-inventors Aaron K. Sato, Daniel J. Sexton, Daniel T. Dransfield and Robert C. Ladner, have invented a certain improvement in KDR AND VEGF/KDR BINDING PEPTIDES AND THEIR USE IN DIAGNOSIS AND THERAPY described in an application for Letters Patent of the United States, the specification of which:

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- [X] was filed on September 11, 2003 as Application No. 10/661,156;
- [ ] was patented under U.S. Patent No. [ ] on [ ].

WHEREAS, Bracco International, B.V. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Country of The Netherlands, and having a usual place of business at Stravinskylaan 3051, 1077 ZX Amsterdam, The Netherlands desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution,

reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature:

Christophe Arbogast

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Christophe Arbogast and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature: P. Bussat \_\_\_\_\_

Philippe Bussat

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Philippe Bussat and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature: Hong Fan \_\_\_\_\_

Hong Fan

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Hong Fan and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature: Sudha Khurana

State/Commonwealth \_\_\_\_\_  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Sudha Khurana and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

Inventor's Signature: Karen E. Linder

State/Commonwealth \_\_\_\_\_  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Karen E. Linder and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_\_ / \_\_\_\_ / \_\_\_\_

-5-

Inventor's Signature:

Edmund R. Marinelli

Edmund R. Marinelli

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Edmund R. Marinelli and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

Palaniappa Nanjappan

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Palaniappa Nanjappan and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Adrian D. Nunn

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Adrian D. Nunn and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

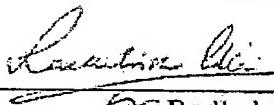
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Radhakrishna Pillai

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Radhakrishna Pillai and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

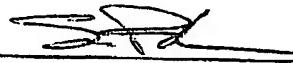
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Sibylle Pochon

State/Commonwealth:

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Sibylle Pochon and acknowledged that she executed the foregoing instrument as her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

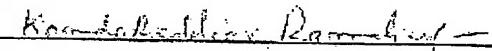
(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:



Kondareddiar Ramalingam

State/Commonwealth:

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Kondareddiar Ramalingam and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

Ajay Shrivastava

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Ajay Shrivastava and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Bo Song and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

*Rolf E. Swenson*

Rolf E. Swenson

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Rolf E. Swenson and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

Inventor's Signature:

*M. A. von Wrönski*

Mathew A. Von Wrönski

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named Mathew A. Von Wrönski and acknowledged that he executed the foregoing instrument as his free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_